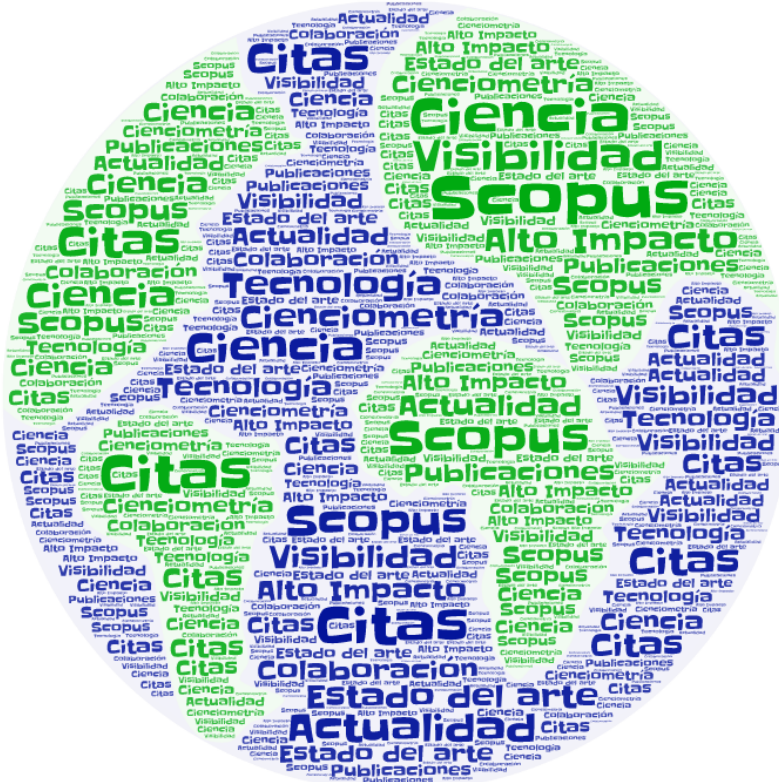




# Observatorio de ciencia y tecnología USTA

## ESTADO DEL ARTE SCOPUS



## Objetivo de desarrollo sostenible – Vida de Ecosistemas Terrestres

Dirección de Investigación e Innovación – Sede principal  
Centro de Recursos para el Aprendizaje y la Investigación CRAI-  
USTA

Por: Cristian Alexander Vega Mosquera, Camilo A. Corchuelo R.,  
Karol Piza Amado, Luz Marina Paez

Estado del arte - Scopus

# Observatorio de cienciometría USTA



## RESUMEN

Este informe muestra el estado actual y las tendencias de las publicaciones Scopus relacionadas con el tema “Objetivo de desarrollo sostenible – Vida de Ecosistemas Terrestres”. Se presenta las cifras de las publicaciones, citas, colaboraciones y tendencias entre otros. Este es un insumo para la comunidad académica USTA cuyo objetivo es identificar tendencias mundiales en las publicaciones para articular líneas y grupos de investigación.

Palabras Claves: Scopus, Estado del arte, Objetivos de desarrollo sostenible, Ecosistemas Terrestres, Vida Terrestre

## ABSTRACT

His report shows the current status and trends of Scopus publications related to the theme "Sustainable Development Goal - Life on Land". The figures of the publications, citations, collaborations and trends among others are presented. This is an input for the USTA academic community whose objective is to identify global trends in publications for joint lines and research groups.

Keywords: Scopus, State of the art, Sustainable development goals, Terrestrial Ecosystems, Terrestrial Life, Life on Land

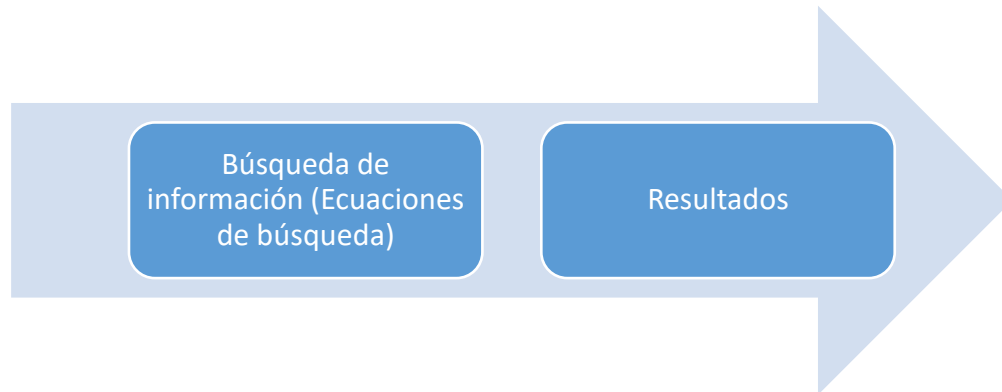
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## Ficha técnica

| Fuente                           | Expresión de búsqueda |
|----------------------------------|-----------------------|
| Scopus - Scival                  | SDG 15: Life on Land  |
| Periodo de análisis: 2010 - 2019 |                       |
| Fecha de consulta: 26/09/2020    |                       |

## Metodología



(Corchuelo-Rodriguez et al., 2019, p. 11)

## Resultados

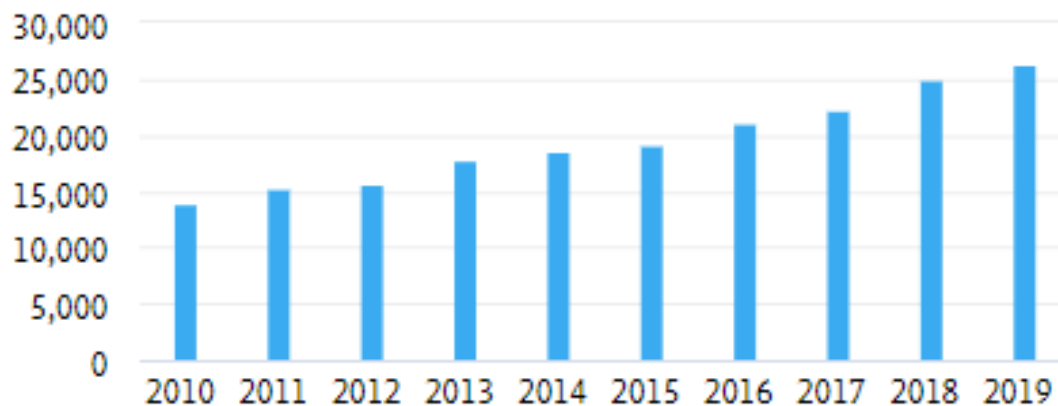


Gráfico 1. Publicaciones por año (Fuente: Scopus - Scival)

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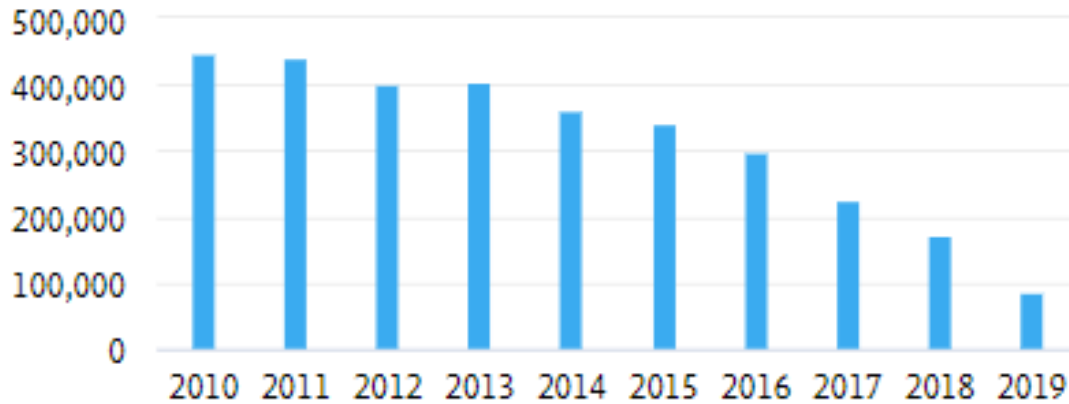


Gráfico 2. Citas de las publicaciones por año (Fuente: Scopus - Scival)

Tabla 1. Top 10 de los temas de mayor publicación (Fuente: Scopus - Scival)

| Topic                                                                                  | Scholarly Output | Publication Share | Field-Weighted Citation Impact | Prominence percentile |
|----------------------------------------------------------------------------------------|------------------|-------------------|--------------------------------|-----------------------|
| Cultural Ecosystem Services; Service Value; Natural Capital<br>T.2046                  | 2,233            | 43.15% ▲          | 2.19                           | 99.936                |
| Sleuths; Cellular Automaton Model; Land Use Change<br>T.1857                           | 2,023            | 67.14% ▲          | 1.29                           | 99.325                |
| Landsat; Land Cover; Cropland<br>T.1780                                                | 1,711            | 37.44% ▼          | 2.06                           | 99.852                |
| Brazilian Amazon; Tropical Deforestation; Forest Cover<br>T.3433                       | 1,302            | 56.24% ▼          | 1.85                           | 99.445                |
| Soil Organic Carbon; Soil Aggregates; Carbon Sinks<br>T.424                            | 1,153            | 30.01% ▼          | 1.54                           | 99.736                |
| Maximum Entropy; Biogeography; Environmental Space<br>T.809                            | 1,071            | 19.26% ▲          | 1.75                           | 99.857                |
| Normalized Difference Vegetation Index; Phenology; Vegetation Growth<br>T.790          | 1,047            | 30.31% ▲          | 1.90                           | 99.628                |
| Soil and Water Assessment Tool Model; Nonpoint Source Pollution; Stream Flow<br>T.1993 | 996              | 34.92% ▲          | 1.33                           | 99.343                |
| Landslides; Debris Flow; Spatial Prediction<br>T.446                                   | 972              | 22.83% ▲          | 2.59                           | 99.814                |
| Heat Islands; Land Surface Temperature; Urban Climate<br>T.2433                        | 842              | 31.69% ▲          | 1.61                           | 99.525                |

| Metric                               |       | Scholarly Output | Citations |
|--------------------------------------|-------|------------------|-----------|
| International collaboration          | 29.9% | 58,156           | 1,417,697 |
| Only national collaboration          | 35.8% | 69,555           | 1,019,014 |
| Only institutional collaboration     | 25.0% | 48,654           | 569,226   |
| Single authorship (no collaboration) | 9.3%  | 18,105           | 170,444   |

| Publicación                                                                                                                                                                                               | Citas |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| High-resolution global maps of 21st-century forest cover change.<br>Hansen, M.C., Potapov, P.V., Moore, R. and 12 more<br>(2013) Science, 342 (6160), pp. 850-853.<br><a href="#">View in Scopus</a>      | 3,827 |
| The representative concentration pathways: An overview.<br>van Vuuren, D.P., Edmonds, J., Kainuma, M. and 12 more<br>(2011) Climatic Change, 109 (1), pp. 5-31.<br><a href="#">View in Scopus</a>         | 3,212 |
| Solutions for a cultivated planet.<br>Foley, J.A., Ramankutty, N., Brauman, K.A. and 18 more<br>(2011) Nature, 478 (7369), pp. 337-342.<br><a href="#">View in Scopus</a>                                 | 3,126 |
| Global threats to human water security and river biodiversity.<br>Vörösmarty, C.J., McIntyre, P.B., Gessner, M.O. and 8 more<br>(2010) Nature, 467 (7315), pp. 555-561.<br><a href="#">View in Scopus</a> | 3,048 |
| A large and persistent carbon sink in the world's forests.<br>Pan, Y., Birdsey, R.A., Fang, J. and 15 more<br>(2011) Science, 333 (6045), pp. 988-993.<br><a href="#">View in Scopus</a>                  | 2,947 |

*Tabla 4. Top 10 de los autores con más índice h (Fuente: Scopus - Scival)*

|     |    | Name                | Scholarly Output | Citations  | <i>h</i> -index  |
|-----|-------------------------------------------------------------------------------------|---------------------|------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 1.  |    | Ciais, Philippe     | 290              | 27,750                                                                                        | 125                                                                                                 |
| 2.  |    | Reich, Peter B.     | 69               | 6,055                                                                                         | 119                                                                                                 |
| 3.  |    | Gaston, Kevin J.    | 64               | 3,593                                                                                         | 116                                                                                                 |
| 4.  |    | Brunekreef, Bert    | 83               | 4,712                                                                                         | 105                                                                                                 |
| 5.  |    | Tscharntke, Teja    | 98               | 7,250                                                                                         | 104                                                                                                 |
| 6.  |    | Asner, Gregory P.   | 88               | 4,058                                                                                         | 102                                                                                                 |
| 7.  |    | Lal, Rattan         | 200              | 5,099                                                                                         | 100                                                                                                 |
| 8.  |  | Penuelas, Josep     | 105              | 8,112                                                                                         | 100                                                                                                 |
| 9.  |  | Possingham, Hugh P. | 92               | 4,076                                                                                         | 100                                                                                                 |
| 10. |  | Smith, Pete         | 164              | 11,388                                                                                        | 95                                                                                                  |

*Tabla 5. Top 10 de las instituciones con filiación de autor con más publicaciones (Fuente: Scopus - Scival)*

Gráfico 3. Nube de palabras de crecimiento y declive en las publicaciones (Fuente: Scopus - Scival)

## Estado del arte - Scopus

# Observatorio de cienciometría USTA



|     | <input type="checkbox"/> Scopus Source                                                                                                   | Scholarly Output  | Views Count  | Field-Weighted Citation Impact  |
|-----|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| 1.  |  Science of the Total Environment                       | 3,445                                                                                              | 267,381                                                                                         | 1.70                                                                                                               |
| 2.  |  PLoS ONE                                               | 2,922                                                                                              | 104,057                                                                                         | 1.15                                                                                                               |
| 3.  |  Acta Ecologica Sinica                                  | 2,144                                                                                              | 48,126                                                                                          | 0.30                                                                                                               |
| 4.  |  Land Use Policy                                        | 1,848                                                                                              | 125,314                                                                                         | 2.31                                                                                                               |
| 5.  |  Remote Sensing                                         | 1,654                                                                                              | 40,214                                                                                          | 1.83                                                                                                               |
| 6.  |  Sustainability                                         | 1,561                                                                                              | 45,077                                                                                          | 0.90                                                                                                               |
| 7.  |  IOP Conference Series: Earth and Environmental Science | 1,489                                                                                              | 19,914                                                                                          | 1.06                                                                                                               |
| 8.  |  Ecological Indicators                                  | 1,473                                                                                              | 108,025                                                                                         | 2.05                                                                                                               |
| 9.  |  Environmental Monitoring and Assessment                | 1,139                                                                                              | 41,541                                                                                          | 0.86                                                                                                               |
| 10. |  Forest Ecology and Management                          | 1,131                                                                                              | 61,984                                                                                          | 1.82                                                                                                               |





## Bibliografía

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